

IN THE CLAIMS:

1. (Presently Amended): A method for producing release of intracellular material from one or more cells comprising applying a continuous voltage of not more than 50 volts to a suspension containing said cell or cells **thereby releasing the intracellular material**, wherein said continuous voltage excludes electroporation pulses of short duration in the order of milliseconds.
2. (Original): A method as claimed in Claim 1, wherein said voltage is from 0.5 to 50 volts.
3. (Original): A method as claimed in Claim 1, wherein said voltage is from 0.5 to 15 volts.
4. (Original): A method as claimed in Claim 1, wherein said voltage is from 1 to 10 volts.
5. (Original): A method as claimed in Claim 1, wherein said voltage is applied between electrodes spaced by no more than 10 mm in said suspension.
6. (Original): A method as claimed in Claim 5, wherein said voltage is applied between electrodes spaced by no more than 5 mm in said suspension.
7. (Original): A method as claimed in Claim 6, wherein said electrode spacing is no more than 1.5 mm.
8. (Original): A method as claimed in Claim 6, wherein said electrode spacing is no more than 0.5 mm.
9. (Original): A method as claimed in Claim 1, wherein said cells are bacterial cells, yeast cells, plant cells, animal cells, insect cells or human cells.
10. (Original): A method as claimed in Claim 1, wherein said voltage is applied for a period of at least 30 seconds.

11. (Original): A method as claimed in Claim 10, wherein said voltage is applied for a period of at least 2 minutes.

12. – 21. (Cancelled)